uh043sx-2
Operating Guide

Uniden®

To bring outstanding wireless communication products
to people's lives throughout the world.

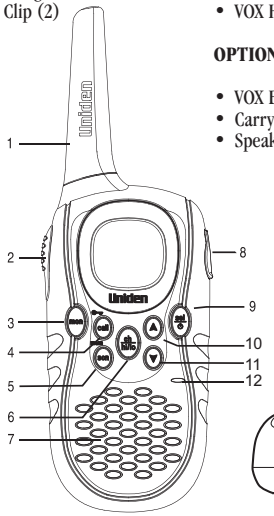
CONTROL & INDICATORS

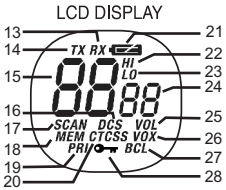
INCLUDED IN YOUR PACKAGE:

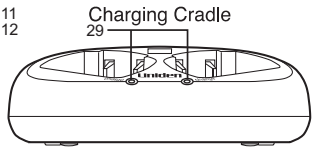
- uh043sx Radio (2)
- Operating Guide
- Belt Clip (2)
- Charging Cradle with AC Adaptor
- NiMH Battery Pack (2)
- VOX Headset (2)

OPTIONAL ACCESSORIES

- VOX Earset
- Carry Case
- Speaker Mic







1 Antenna
2 PTT(Push-To-Talk) Key
3 Monitor Key
4 Keylock/Call Key
5 Memory/Scan Key
6 Channel/Power Hi-Lo Key
7 Speaker
8 Headset Jack
9 Select/Power On-Off Key
10 Volume/Select Up Key
11 Volume/Select Down Key
12 Microphone
13 Receive Indicator
14 Transmit Indicator
15 Channel Indicator
16 DCS ON Indicator
17 Scan Indicator
18 Memory Indicator
19 Priority Channel Indicator
20 CTCSS ON Indicator
21 Battery Level Indicator
22 HI Transmit Indicator
23 Lo Transmit Indicator
24 CTCSS and DCS Code/Volume Level Indictor
25 Volume Setting Indicator
26 VOX Indicator
27 Busy Channel Lockout Indicator
28 Keypad Lock Indicator
29 Charging LEDs

GETTING STARTED

Uniden does not represent this product to be waterproof. Do not expose this product to Rain or Moisture.

BATTERY INSTALLATION

Your uh043sx unit uses the included NiMH battery pack for power. The unit can be powered with optional 4 AAA ALKALINE batteries.

If you don't use the uh043sx for long periods, Uniden recommend removing the batteries. The uh043sx is designed to retain the previous user settings. This feature will continue to use a small amount of battery power while the unit is switched off.

To avoid damage to the unit do not mix old and new batteries.

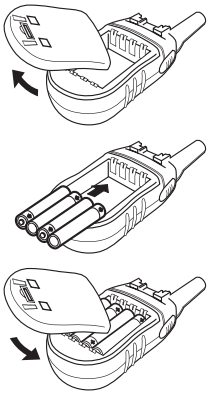
To install the batteries:

1. Make sure your radio is off.
2. Release the battery cover clip, then remove the battery cover.
3. Insert NiMH battery pack according to the orientation on the battery pack.

OR

Insert 4 AAA ALKALINE batteries (not included) according to the polarity symbols inside the battery compartment.

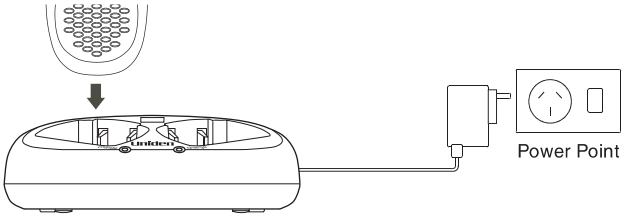
4. Align the battery cover tabs with the uh043sx tab holes then replace the cover clip.



Do not charge alkaline or non rechargeable batteries.

INSTALLING THE CHARGE CRADLE

1. Plug the AC adaptor into the rear of the charge cradle and into the mains power.



2. Place the uh043sx into the charge cradle. The charge light will come on to indicate the unit is charging.

3. Before operating the uh043sx, charge the battery pack for 16 hours.

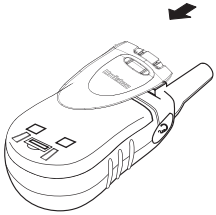
Do not charge alkaline or non rechargeable batteries.

USER LICENCE INFORMATION

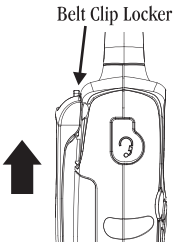
The citizen band radio service is licenced in Australia by ACMA Radio-communications (Citizen Band Radio Stations) Class Licence and in New Zealand by MED General User Licence for Citizen Band Radio and operation is subject to conditions contained in those licences.

BELT CLIP

To attach the belt clip:
Slide the belt clip until it snaps into place.



To remove the belt clip:
To remove the belt clip, press and hold belt clip locker, slide the belt clip at the same time until released.



LOW BATTERY ALERT

If the battery level becomes low, the battery indicator icon on the display begins flashing. When the batteries in the unit are low, the unit will go into a battery Low mode. The Transmit mode is disabled. Replace the alkaline batteries immediately or if you are using the NiMH battery pack, place the radio on the charge cradle to recharge. Full charge will take up to 16 Hrs.

BACK LIGHT

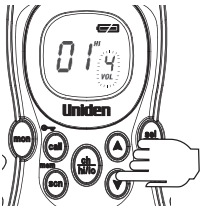
The uh043sx has an automatic display back light which remains on for 10 seconds after a key press (all keys except PTT key). The back light will work even if the keypad is locked but will not work during low battery alert mode.

OPERATION

POWER ON/OFF

1. Press and hold ***select***/⏻ key to turn the radio on. A channel number will appear on the display.
2. Press and hold ***select***/ ⏻ key to turn the radio off.

VOLUME



1. Press ▲ or ▼ key to increase or decrease the volume level. 'VOL' icon appears on the display while volume is being adjusted.
   There are 8 volume levels. Level 0 (No Audio) to Level 7 (Maximum Volume).

ADJUSTING THE KEY BEEPS

Your radio emits a beep each time one of the keys (except for the PTT key) is pressed.

1. To turn OFF this beep: Press and hold 🔑 ***/call*** key while turning on the radio.
2. To turn ON this beep: Press and hold 🔑 ***/call*** key while turning on the radio.

ROGER BEEP

Roger Beep is a BEEP that is sent to notify the end of transmission (both PTT and VOX transmission.) Roger Beep can be heard through the speaker when Key Beep is on. Roger Beep is transmitted even if Key Beep is turned off. However, Roger Beep will not be heard from the speaker.

1. To turn OFF Roger Beep: Press and hold ▲ key while turning on the radio.
2. To turn ON Roger Beep: Press and hold ▲ key while turning on the radio.

KEYLOCK ON/OFF

1. Press 🔑***/call*** key for 1.5 seconds to enter keylock on mode.
2. Press 🔑***/call*** key for 1.5 seconds while in Keylock mode to exit the Keylock mode.

While in Keylock on mode, the uh043sx can still receive and transmit.

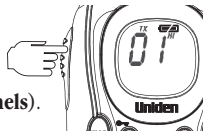
SELECTING A CHANNEL

1. Press ***ch/hi/lo*** key momentarily to activate channel select mode. The displayed channel will flash.
2. Press ▲ or ▼ key to select the desired channel.

For your reference a list of the available channels, corresponding frequencies and guidelines for their use is printed on page 12. For Australia, Channels 05 and 35 are reserved for Emergency Calls.

3. Press ***ch/hi/lo*** key momentarily to exit channel select mode. If no key is pressed within 5 sec the uh043sx will exit from the channel select mode.

TO TRANSMIT AND RECEIVE



The uh043sx uses the 40 UHF-CB Channels (**Channels 22 and 23 are for telemetry and telecommand applications. Transmit is inhibited on these channels**).

1. Before you transmit, listen for activity on the selected channel.
2. When the channel is clear, press and hold the PTT key to transmit. **'TX'** icon appears on the display.

Hold the radio with microphone approximately 5 cm in front of your mouth with the antenna at approximately 45° angle away from your head. Speak in a clear, normal conversational voice.

3. When you have finished speaking, release the PTT and listen for a response. **'TX'** icon then disappears on the display. While receiving, the **'RX'** icon is displayed.

TRANSMIT Hi/Lo POWER SELECT

1. Press and hold ***ch/hi/lo*** key to select desired transmit level. **'HI'** icon will appear on the display for maximum transmit level. **'LO'** icon will appear on the display for minimum transmit level. The RF transmit power of the uh043sx is selectable between 0.7/0.5 W.

AUTOMATIC SQUELCH FEATURE

The uh043sx is equipped with an Automatic Squelch System which shuts off weak transmissions and unwanted noise.

MONITOR

This feature enables users to listen for weak signals on the current channel at the press of a key.

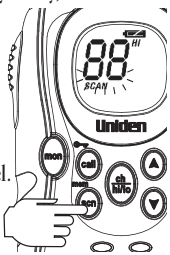
To use monitor:

1. Press ***mon*** key. The **'RX'** icon will flash.
2. Release within 1.5 seconds and the unit exits Monitor mode.
3. Press and hold ***mon*** key for 2 seconds for continuous listening.
   The receiver circuit will stay open, letting in both the noise & weak signals. The **'RX'** icon flashes in this status.
4. To return to normal Receive mode press ***mon*** key. The **'RX'** icon disappears or stops flashing in this status.

SCANNING

The scan function scans all channels which are stored in the SCAN CHANNEL MEMORY and stops at an active channel. If a PRIORITY channel has been selected then this channel will be monitored for activity every 3 seconds. When the signal stops, the uh043sx waits 2 seconds (Reply Delay) before scanning resumes.

To initiate scanning;



1. Press ***mem/SCN*** key momentarily to begin scanning. The **'SCAN'** icon is displayed.
2. Press ***select/⏻***, ***mem/SCN*** or ***🔑/call*** key to cancel.

When scan stops at a busy channel, pressing ***ch/hi/lo*** key will resume scan.

REPLY DELAY

While scanning, the uh043sx stops at a busy channel and receives a transmission. When the received signal is over, the unit will wait for 2 seconds for the return of the signal, otherwise, the radio resumes scanning.

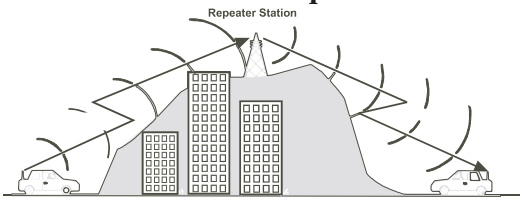
TO OPERATE IN DUPLEX MODE (REPEATERS)

The Duplex function enables you to access local repeater stations. You can only activate Duplex from CH01-CH08.

UHF CB Repeaters are used to retransmit or relay your signal. Repeaters will extend the range of your radio and overcome the shielding effect caused by solid obstructions.

Contact your retailer for a list of repeaters available in Your area.

Operation with the aid of a Repeater



1. Press ***select***/ ⏻ key six times. dP appears on the display.
2. Press ▲ or ▼ to change O to r.
3. Press ***select***/ ⏻ to confirm

To deactivate the duplex operation repeat activation process and change r to O. uh043sx will return to normal operation.

If ▲ or ▼ key is pressed when the channel is not from Ch01 - Ch08, an error tone sounds.

CTCSS & DCS

(Continuous Tone Coded Squelch System) & (Digital Coded Squelch)

CTCSS is a feature that allows a group to talk to each other without hearing other users on the same channel.

1. Press ***select***/ ⏻ key momentarily to enter CTCSS mode. The current selected CTCSS tone flashes.
2. Press ▲ key to select the required CTCSS tone (OFF or 1-38).
3. Press ***select***/ ⏻ key six times to confirm the selected setting and exit to standby mode.

For channels with a CTCSS tone setting, the CTCSS tone is displayed below the channel indicator. For channels with the setting of CTCSS OFF, there will be no display below the channel indicator.

DCS

DCS is a digital extension of CTCSS. It provides 104 extra, digitally coded, squelch codes that follow after the 38 CTCSS codes. CTCSS 1-38, followed by DCS 1-99 plus DCS 100-104 (represented by o0-o4 on the display).

1. Press ***select***/ ⏻ key momentarily to enter CTCSS/DCS mode.
2. Use ▲ key to select a DCS code. The DCS codes follow on after the CTCSS codes. The DCS icon will replace the CTCSS code on the display.
3. Press ***select***/ ⏻ key six times to confirm the selected setting and exit to standby mode. The DCS icon will appear when selected. To turn off DCS select CTCSS OFF and no display will show below the channel indicator.

Channels 05 and 35 are used for emergency channels. CTCSS and DCS will not operate on these two channels.

VOX

VOX is the automatic transmitting function by inputting voice into the VOX headset mic without pressing the PTT key.

1. Press ***select***/ ⏻ key momentarily twice while in standby mode to enter VOX Sensitivity mode. The current selected VOX setting will flash on the display.
2. Press ▲ or ▼ key to adjust the VOX sensitivity. 1 is the highest sensitivity and 4 is the lowest sensitivity. VOX can be turned off by selecting **'oF'** icon.
3. Press ***select***/ ⏻ key five times to confirm the setting and exit to standby mode.

The **'VOX'** icon is shown on the display when VOX is selected to on and the VOX Headset is plugged into VOX Headset Jack.
The **'TX'** icon blinks when the voice level is possible to transmit at the current selected VOX sensitivity level.

TRANSMITTING A CALL TONE

Your uh043sx radio is equipped with 5 selectable call tones that will be transmitted when the 🔑 ***/call*** key is pressed momentarily.

To select a call tone:

1. Press ***select***/ ⏻ key momentarily three times while in standby mode to enter Call Tone mode. The current call tone number (C1-C5) will be indicated.
2. Press the ▲ or ▼ key to select desired call tone. Each tone will be heard through the speaker.
3. Press ***select***/ ⏻ key four times to confirm and exit to standby mode. To transmit the selected call tone, press the 🔑 ***/call*** key. The selected tone will automatically be transmitted for a fixed length of time. Call Tone will be cancelled when the **PTT** key is pressed.

Current regulations require calling tones to be restricted to one transmission per minute. If a second transmission is attempted within one minute then an error tone will sound.

PRIORITY SCAN CHANNEL

To set a priority scan channel:

1. Press ***select***/ ⏻ momentarily four times while in standby mode to enter Priority Scan Channel mode. The current priority channel will be indicated.
2. Press ▲ or ▼ key to increase or decrease the desired channel number.
3. Press ***select***/ ⏻ three times to confirm and exit to standby mode. **PRI** will be displayed when a priority channel has been selected.

BCL (Busy Channel Lockout) ON/OFF

BCL is used when CTCSS or DCS is selected to prevent transmission when the uh043sx detects a transmission from another unit using the same CTCSS or DCS code.

To set BCL ON/OFF:

1. Press ***select***/ ⏻ momentarily five times while in standby mode to enter **BCL ON/OFF** mode. The current BCL status will be indicated.
2. Press ▲ or ▼ key to select **ON** (on) or **OFF** (oF).
3. Press ***select***/ ⏻ two times to confirm and exit to standby mode. **BCL** will be displayed when BCL on has been selected.

SCAN CHANNEL MEMORY

To store a channel into Scan Channel Memory:

1. Select desired channel using ***ch***/***hi***/***lo*** key and ▲ or ▼ key.
2. Press and hold ***mem***/***SCN*** key. **MEM** will appear on the display.

Repeat steps 1 and 2 to clear channel from Scan Channel Memory.

UHF CB CHANNELS & FREQUENCIES

Please follow these guidelines for channel use in Australia:

- *Channels 05 and 35 are Emergency Channels.*
- *Channel 11 is a Calling Channel.*
- *Channels 22 and 23 are for telemetry telecommand applications and TX is inhibited on these channels.*

General communication is accepted on all other channels with these guidelines:

- *Channel 40 - road channel (Australia).*
- *Channels 01-08 (and 31-38) are repeater channels.*

CH No.	Simplex Mode Transmit / Receive Frequency (MHz)	Duplex Mode Transmit Frequency (MHz)	CH No.	Simplex Mode Transmit/Receive Frequency (Mhz)
1	476.425	477.175 CH31	21	476.925
2	476.450	477.200 CH32	22	476.950 (RX only)
3	476.475	477.225 CH33	23	476.975 (RX only)
4	476.500	477.250 CH34	24	477.000
5	476.525	477.275 CH35	25	477.025
6	476.550	477.300 CH36	26	477.050
7	476.575	477.325 CH37	27	477.075
8	476.600	477.350 CH38	28	477.100
9	476.625		29	477.125
10	476.650		30	477.150
11	476.675		31	477.175
12	476.700		32	477.200
13	476.725		33	477.225
14	476.750		34	477.250
15	476.775		35	477.275
16	476.800		36	477.300
17	476.825		37	477.325
18	476.850		38	477.350
19	476.875		39	477.375
20	476.900		40	477.400

CTCSS & DCS Code List

CTCSS Code LIST

Code No.	Frequency (Hz)	Code No.	Frequency (Hz)	Code No.	Frequency (Hz)
“oF”	OFF	13	103.5	26	162.2
1	67.0	14	107.2	27	167.9
2	71.9	15	110.9	28	173.8
3	74.4	16	114.8	29	179.9
4	77.0	17	118.8	30	186.2
5	79.7	18	123.0	31	192.8
6	82.5	19	127.3	32	203.5
7	85.4	20	131.8	33	210.7
8	88.5	21	136.5	34	218.1
9	91.5	22	141.3	35	225.7
10	94.8	23	146.2	36	233.6
11	97.4	24	151.4	37	241.8
12	100.0	25	156.7	38	250.3

DCS Code LIST

Code No.	DCS Code (Octal)	Code No.	DCS Code (Octal)	Code No.	DCS Code (Octal)	Code No.	DCS Code (Octal)
1	023	27	152	53	311	79	466
2	025	28	155	54	315	80	503
3	026	29	156	55	325	81	506
4	031	30	162	56	331	82	516
5	032	31	165	57	332	83	523
6	036	32	172	58	343	84	526
7	043	33	174	59	346	85	532
8	047	34	205	60	351	86	546
9	051	35	212	61	356	87	565
10	053	36	223	62	364	88	606
11	054	37	225	63	365	89	612
12	065	38	226	64	371	90	624
13	071	39	243	65	411	91	627
14	072	40	244	66	412	92	631
15	073	41	245	67	413	93	632
16	074	42	246	68	423	94	654
17	114	43	251	69	431	95	662
18	115	44	252	70	432	96	664
19	116	45	255	71	445	97	703
20	122	46	261	72	446	98	712
21	125	47	263	73	452	99	723
22	131	48	265	74	454	100 (o0)	731
23	132	49	266	75	455	101 (o1)	732
24	134	50	271	76	462	102 (o2)	734
25	143	51	274	77	464	103 (o3)	743
26	145	52	306	78	465	104 (o4)	754

WARRANTY

UNIDEN UH043SX-2 UHF CB TRANSCEIVER RADIO

Limited One Year Warranty

Please keep your sales docket as it provides evidence of warranty.

Warrantor: Uniden Australia Pty Limited ABN58 001 865 498
Uniden New Zealand Limited.
Warranty only available in original country of purchase.

Elements of Warranty: Uniden warrants to the original retail owner for the duration of this warranty, its uh043sx-2 UHF CB Transceiver Radio (hereinafter referred to as the Product) to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.
Warranty Duration: This warranty to the original retail owner only, shall terminate and be of no further effect ONE (1) year after the date of original retail sale. This warranty will be deemed invalid if the Product is;
(A) Damaged or not maintained as reasonable and necessary,
(B) Modified, altered or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden,
(C) Improperly installed,
(D) Repaired by someone other than an authorized Uniden Repair Agent for a defect or malfunction covered by this warranty,
(E) Used in conjunction with any equipment or parts or as part of a system not manufactured by Uniden, or
(F) Where the Serial Number label of the product has been removed or damaged beyond recognition.
Warranty only valid in the country of original retail/sale.
Parts Covered: This warranty covers for one (1) year, the Product and included accessories.
Statement of Remedy: In the event that the Product does not conform to this warranty at any time while this warranty is in effect, the warrantor at its discretion, will repair the defect or replace the Product and return it to you without charge for parts or service. This warranty does not provide for reimbursement or payment of incidental or consequential damages.
This EXPRESS WARRANTY is in addition to and does not in any way affect your rights under the TRADE PRACTICES ACT 1974 (Cth) (Australia) or the CONSUMER GUARANTEES ACT (New Zealand).

Procedure for Obtaining Performance or Warranty: In the event that the Product does not conform to this warranty, the Product should be shipped or delivered, freight prepaid with evidence of original purchase, (eg. a copy of the sales docket), to the warrantor at:

UNIDEN AUSTRALIA PTY LIMITED
Service Division
345 Princes Highway, Rockdale, NSW 2216
Fax (02) 9599 3278
www.uniden.com.au

UNIDEN NEW ZEALAND LIMITED
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